

**FIG. 1**

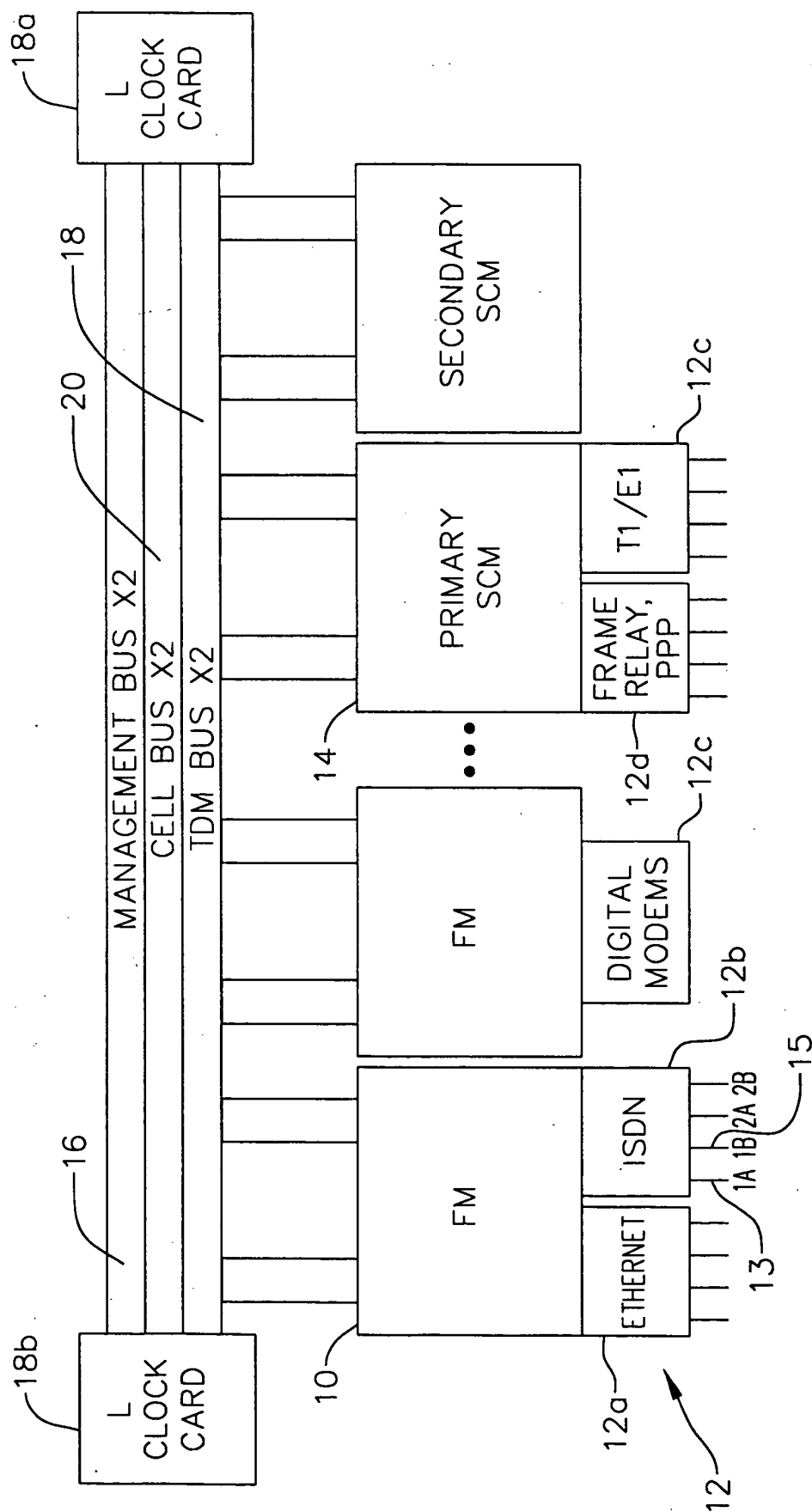
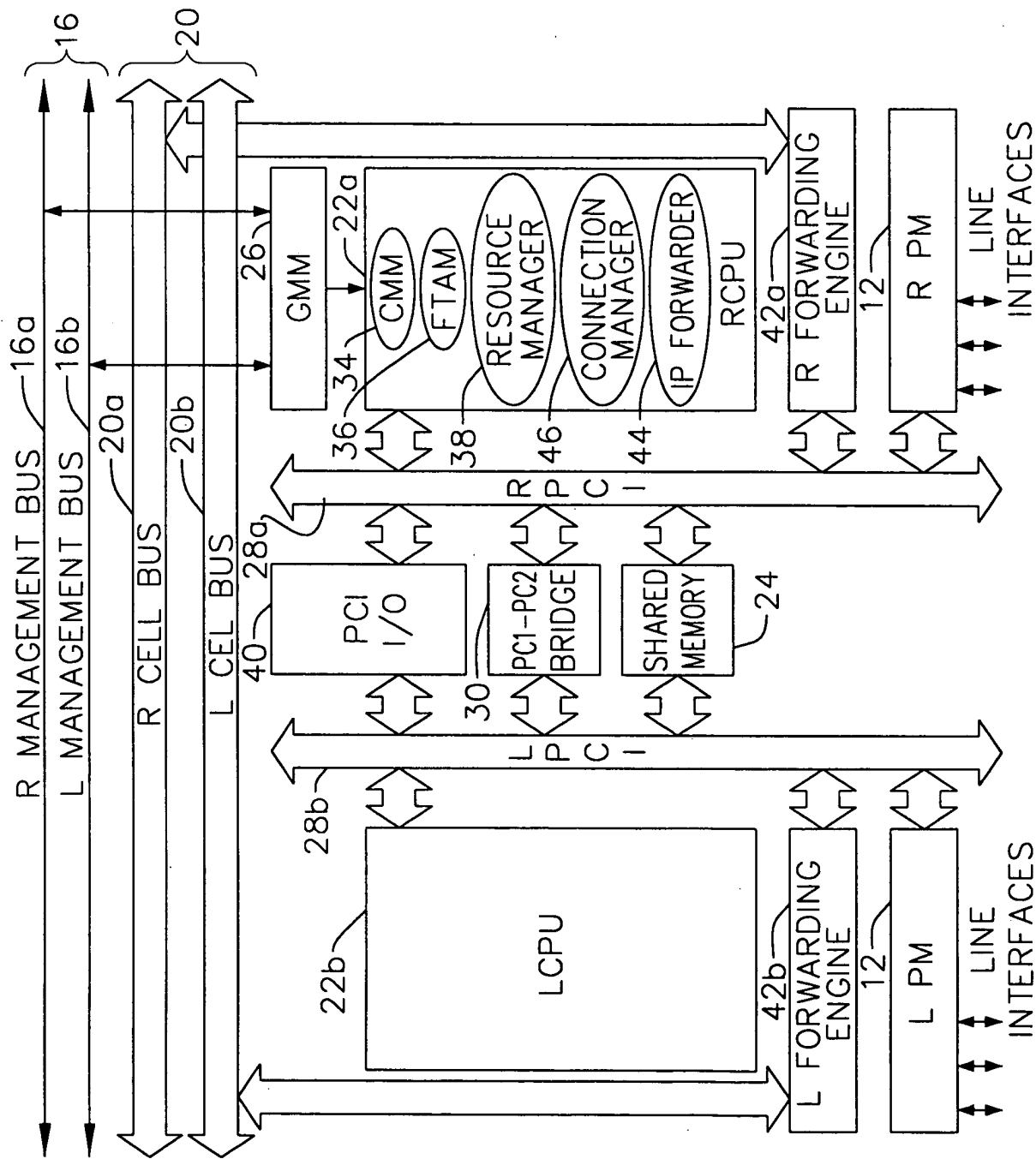


FIG. 2



*FIG. 3*

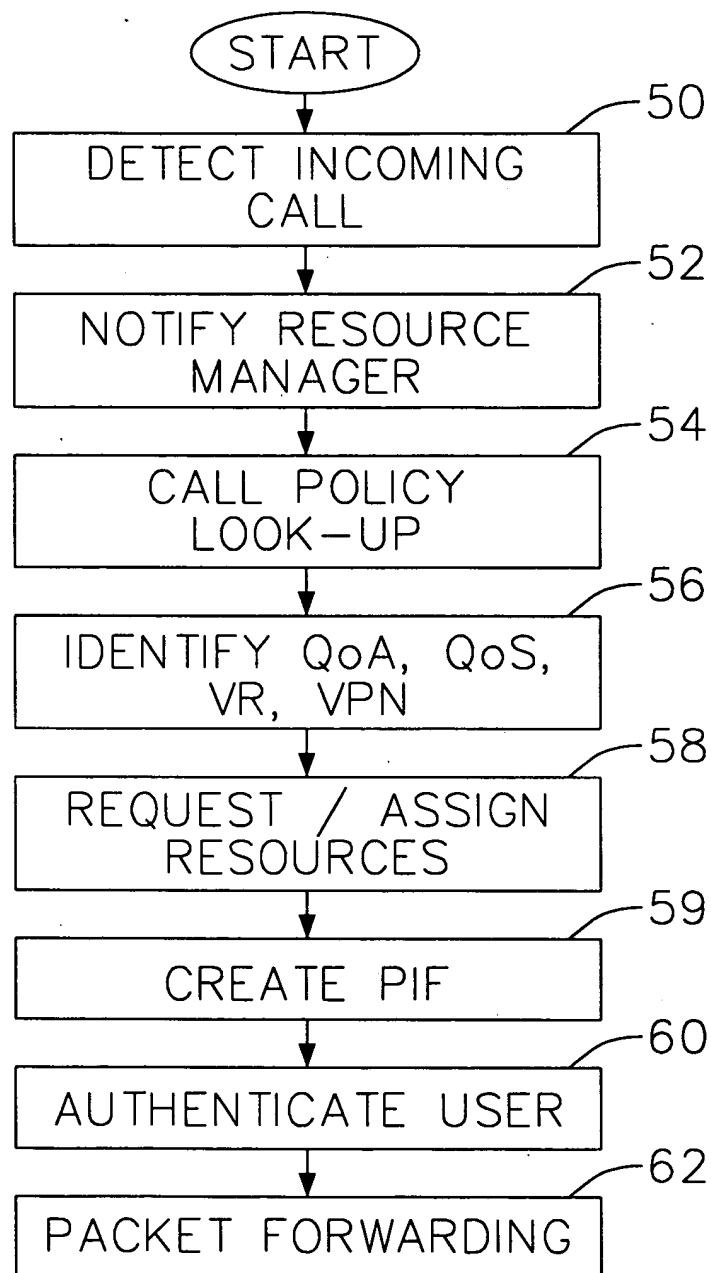
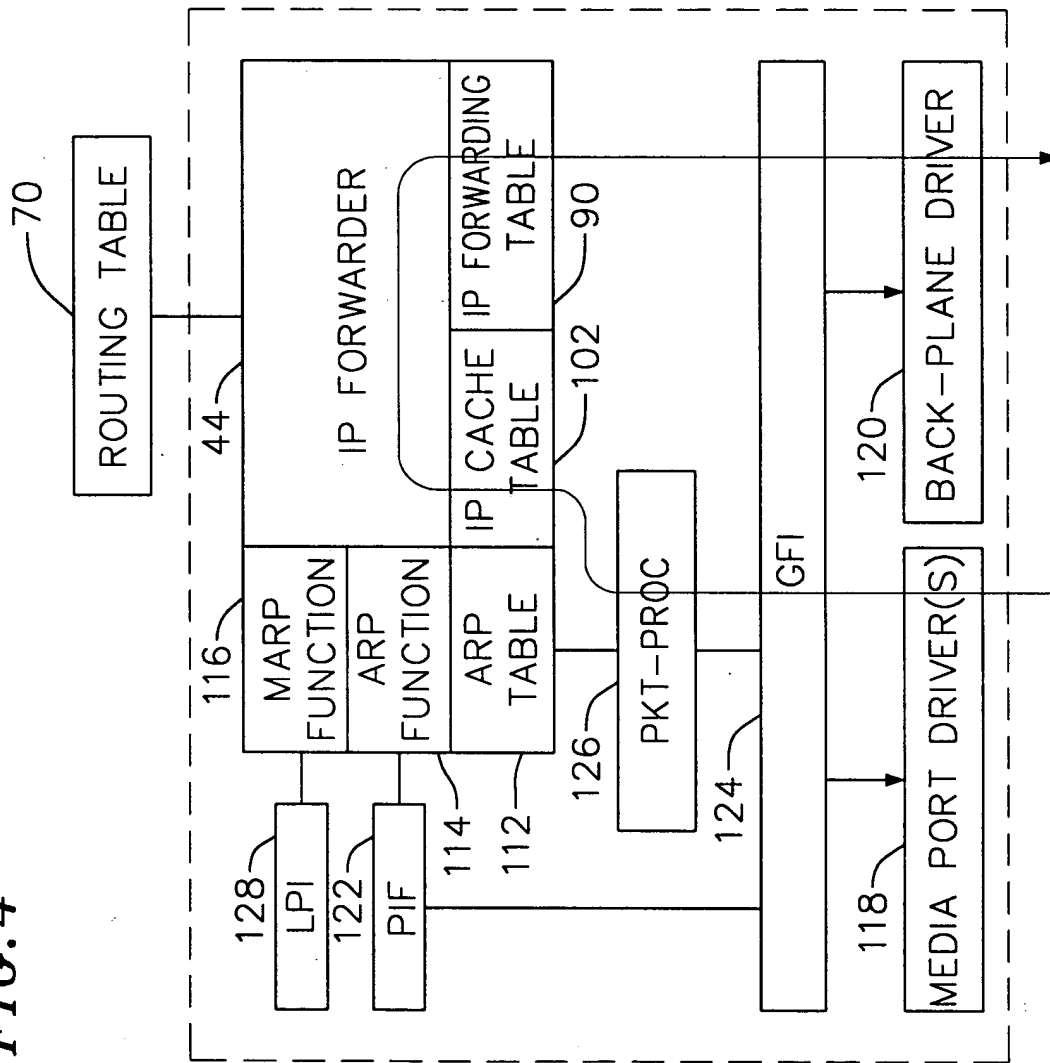


FIG. 4



Total Routes: 32

77

74

2

□

2

1

Cost

1

2

11

111

20 2

20

20

30

30

13

DIAL-POOL 1

11

1

11

11

11

12

2

1

110

1

DIAL-POOL 1

DIAL-POOL. 1

Press Enter to Continue, Any other key followed by Enter to Abort:

Fig. 5

PRI-SCM:1.1>=2:netman:ip# view ipf

IP Forwarding Table:

Total IPF table entries: 12

92 Destination	94 Subnet Mask	96 Nexthop	98 Type	100 Flags(*)
10.3.238.1	255.255.255.255		SPORT	SD(r)
10.1.6.36	255.255.255.255		SPORT	M
10.1.6.35	255.255.255.255		SPORT	M
10.1.6.34	255.255.255.255		SPORT	M
10.1.6.33	255.255.255.255		SPORT	M
10.1.6.32	255.255.255.255		SPORT	M
10.1.6.31	255.255.255.255		SPORT	M
10.2.238.1	255.255.255.255		SPORT	SD(l)
10.1.6.30	255.255.255.255		SPORT	SD(l)
10.3.0.0	255.255.0.0		SPORT	PD(r)
10.2.0.0	255.255.0.0		SPORT	PD(l)
10.1.0.0	255.255.0.0		SPORT	PD(l)
0.0.0.0	0.0.0.0	206.169.142.9	SPORT	R

(\*) D: Direct (and l = local card only, r = remote card only),  
S: System i/f, R: Remote, P: Supernet, F: Default, and M: Mgmt.

Actual IPF Table Entries: 12

Fig. 6

102

Fig. 7

IP ARP Table:			
IP Address	MAC Address	Physical Port	Type(*)
10.1.1.101	00-ff-4a-3d-2f-1a	En.1.3.1.1.1.	S
10.1.5.100	00-ff-ff-01-ff-20	En.1.3.2.1.1.	D
150.140.140.30	08-00-09-ff-65-ff	En.1.3.1.1.14	LB
147.128.128.60	08-00-09-ff-38-38	En.1.3.1.1.10	D
10.1.5.109	00-ff-ff-04-02-ff	En.1.3.2.1.8	S

(\*) R: Rmt, L: Lcl, D: Dyn, S: Stat, P: Pt2Pt, T: Route and B: Bcast

Total Arp Table Entries: 5

Type(\*)

**S**

D

LB

D

**S**

Total Arp Table Entries: 5

Fig. 8



FIG. 9

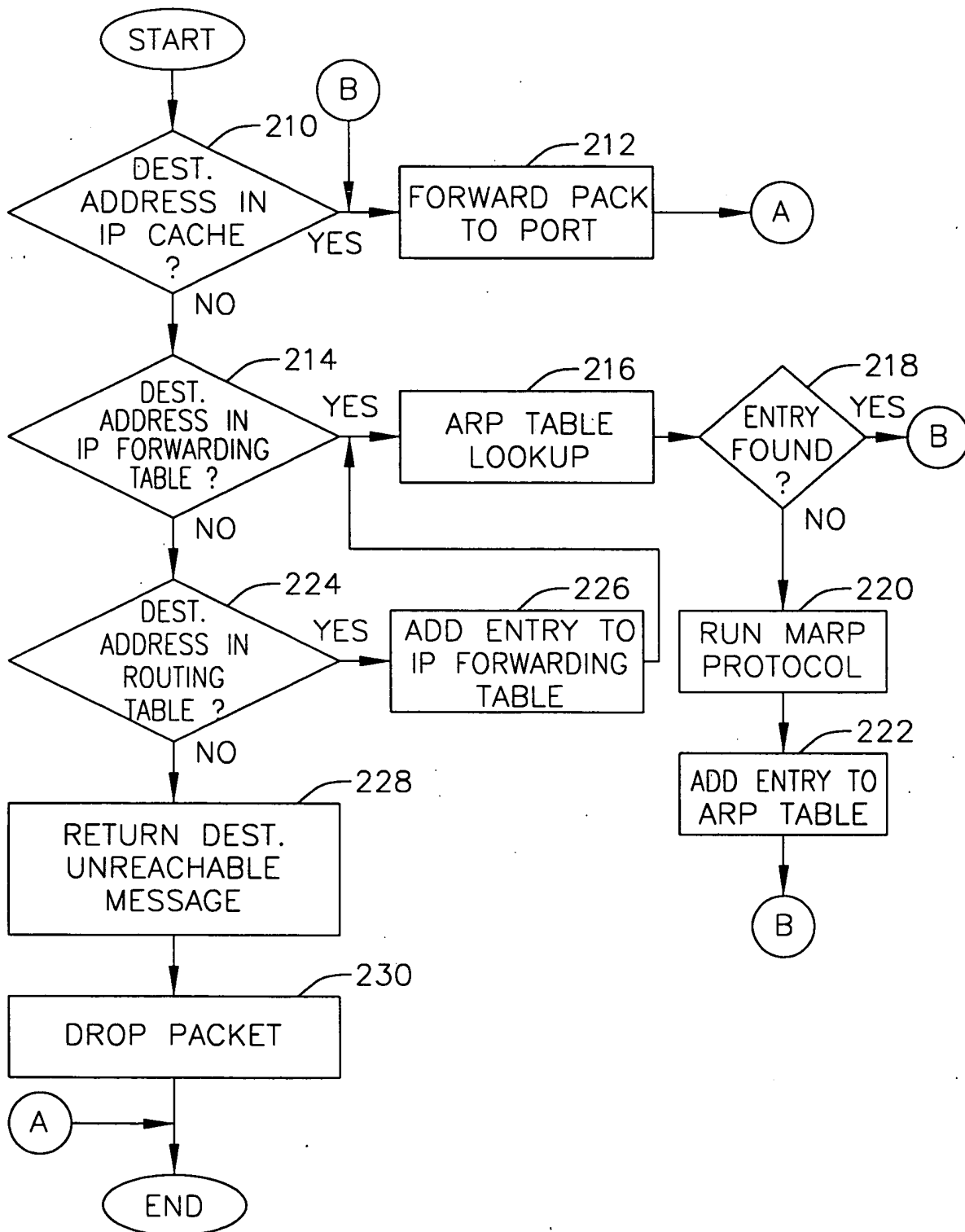
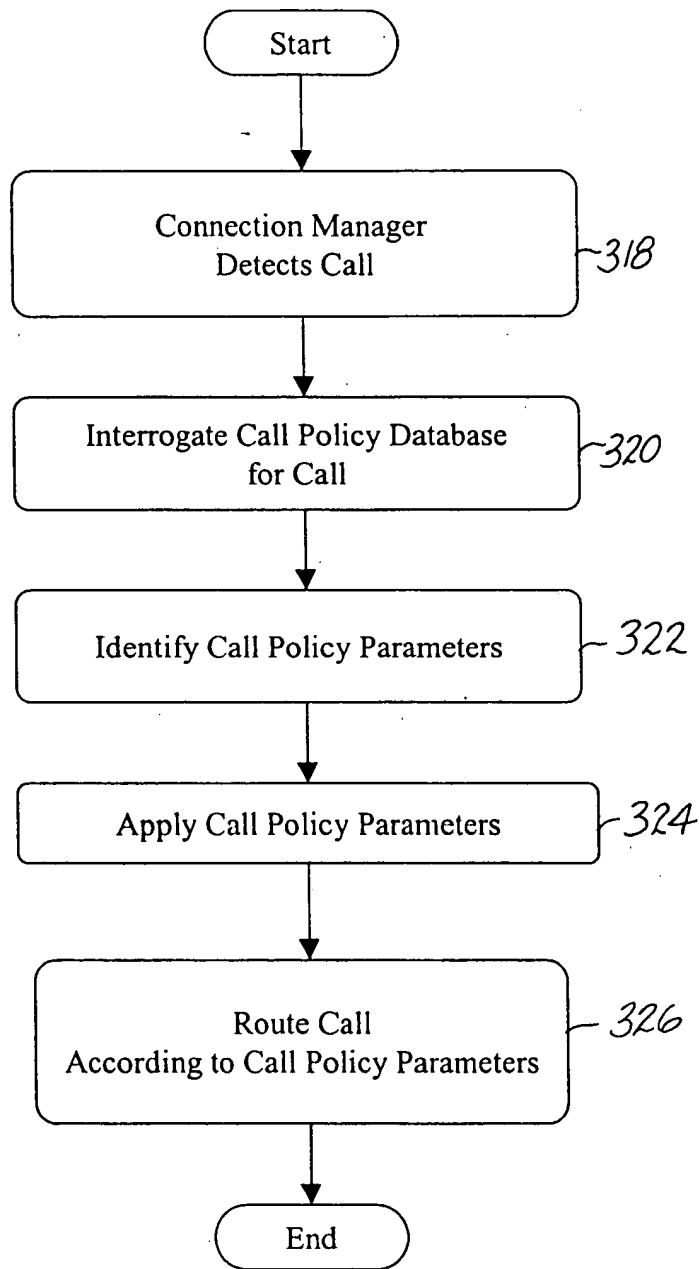


FIG. 10

DOMAIN NAME	NEXT HOP ROUTER
ISP1	206.169.142.9
ISP2	206.169.114.17
...	...
ISPN	206.169.152.3

FIG. 11

291	SEARCH KEY	CALLED-NUM.
292	SOURCE LINK	N/A
293	SOURCE CHANNEL	N/A
294	CALL TYPE:	MODEM
296	SERVICE TYPE:	PPP
298	QUALITY OF ACCESS:	1
300	QUALITY OF SERVICE:	1
302	VR ID:	1
304	VPN ID:	111
306	AUTH. SOURCE:	RADIUS
308	PRY DNS ADDR:	206.169.25.3
310	SCRY DNS ADDR:	206.169.25.100
312	PRY RADIUS SRVR:	10.1.125.26
314	SCRY RADIUS SRVR:	10.1.6.15
316	PHONE NUMBER	555-5555
311	DOMAIN ID	001



*Fig. 12*

FIG. 13

QoA LEVEL	ACCESS THRESHOLD
1	100 %
2	75 %
3	50 %
4	25 %

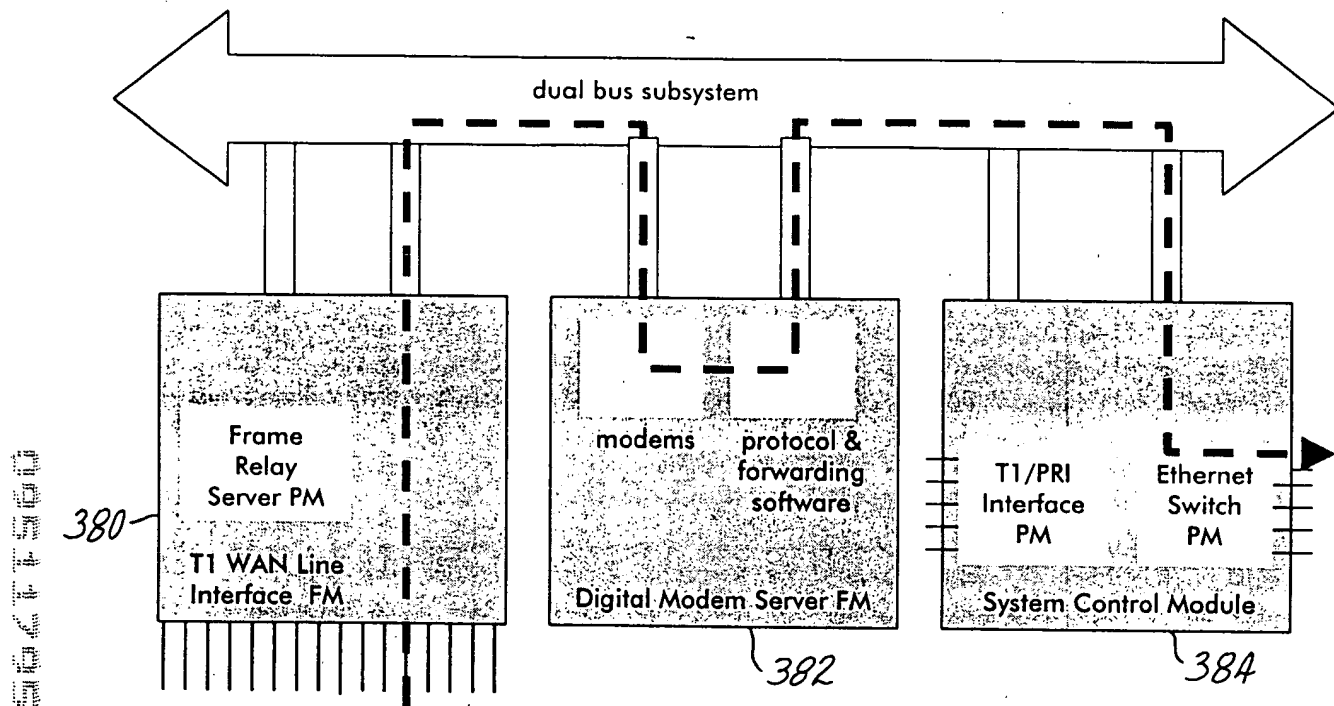


Fig. 14

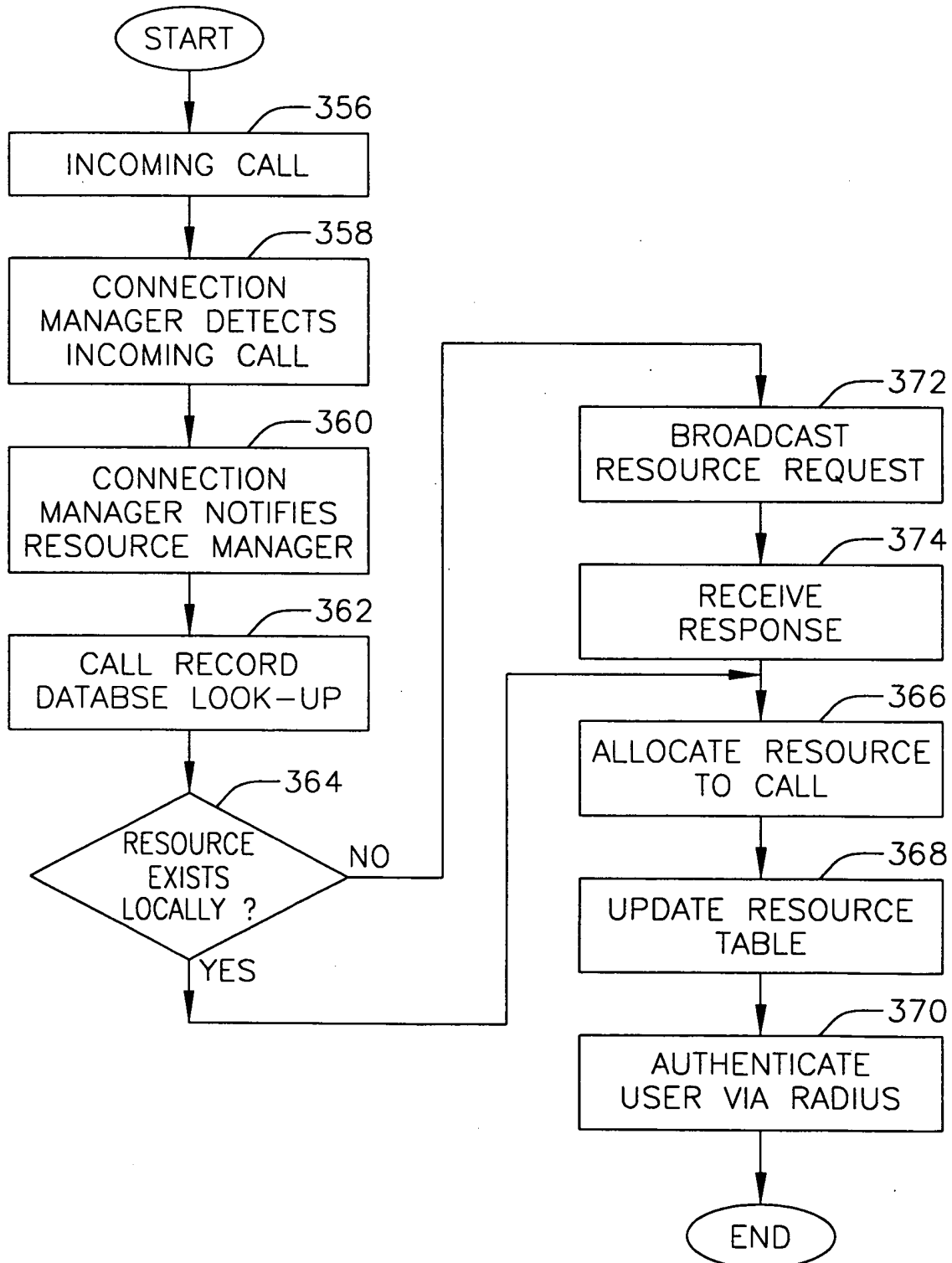
# MODEM RESOURCES

336 VR ID = 111  
 338 Max Local Resources = 32  
 340 Max Global Resources = 32  
 342 Current Local Resources = 29  
 344 Current Global Resources = 29

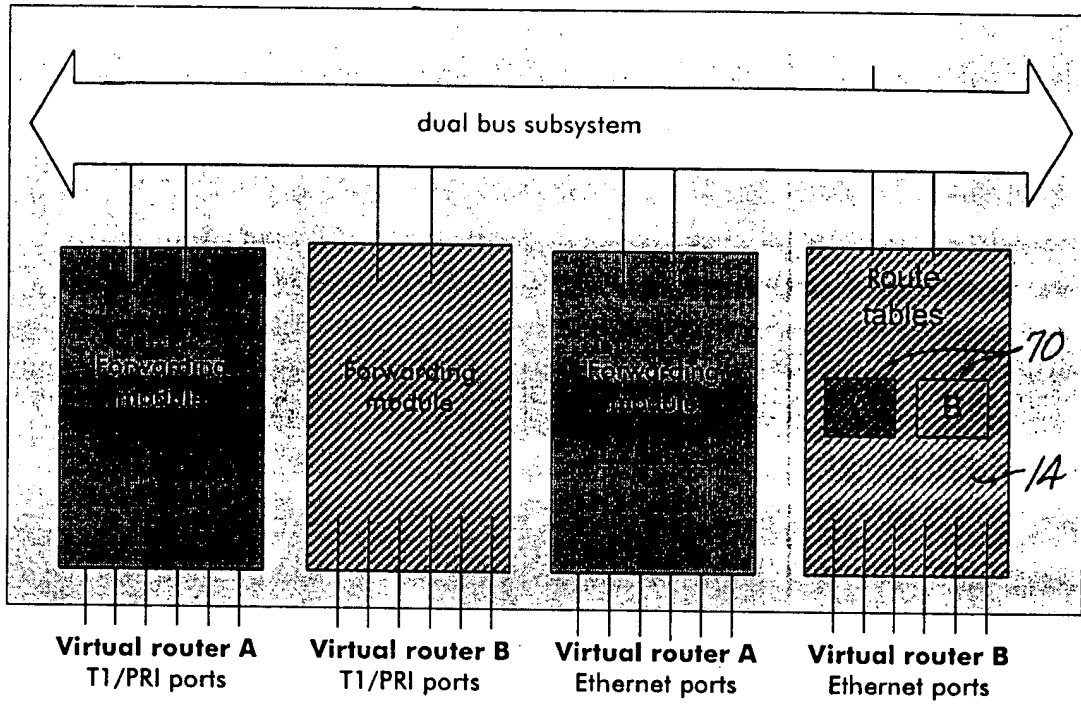
346 QOA	LOCAL	348 QOA GLOBAL	350 QOA ACCEPT LOCAL	352 ACCEPT GLOBAL	354
1	0	0	YES	YES	
2	8	8	YES	YES	
3	16	16	YES	YES	
4	24	24	YES	YES	

Fig. 15

*FIG. 16*







*Fig. 17*



254

256-

Fig. 19

270,

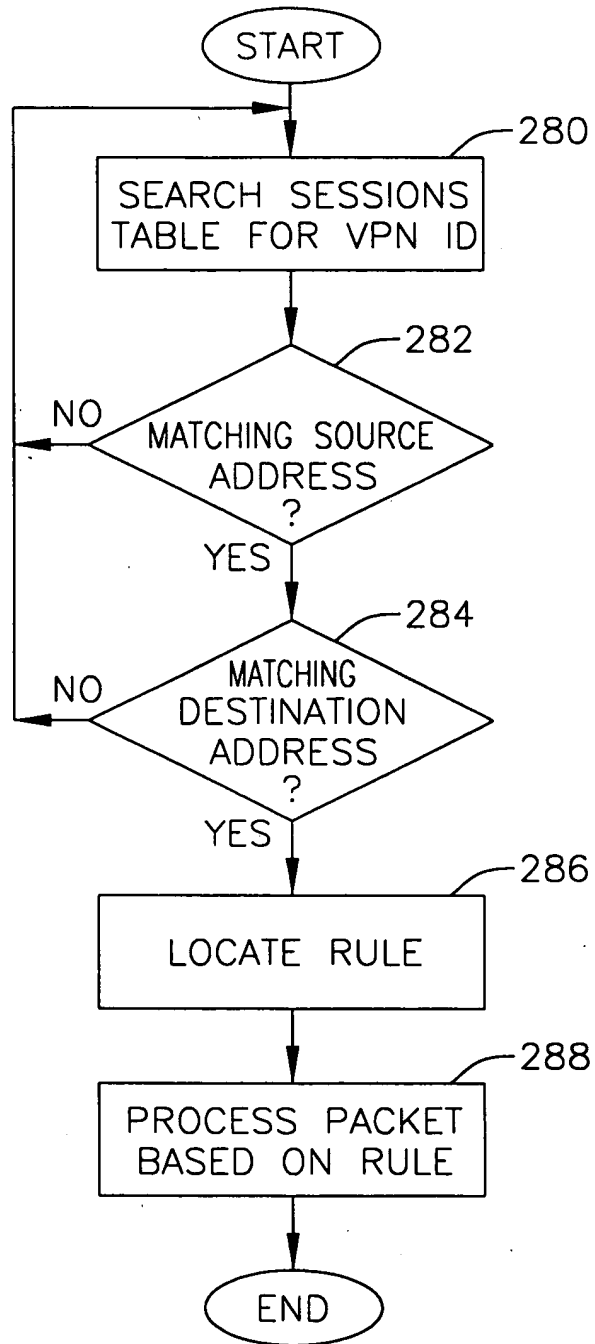
272-

274

**PRI-SCM:1.1>=4:netman:ip#**

Fig. 20

**FIG. 21**



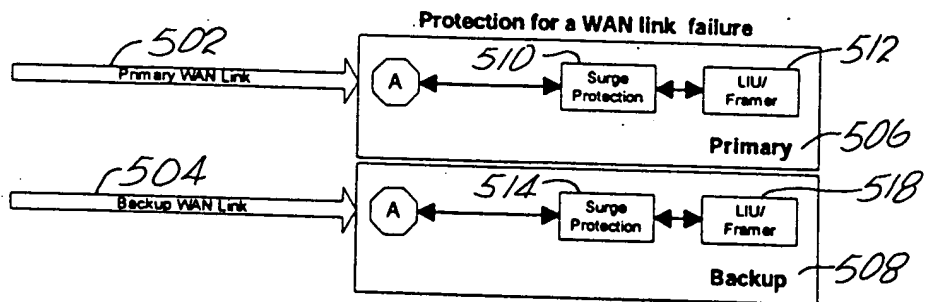
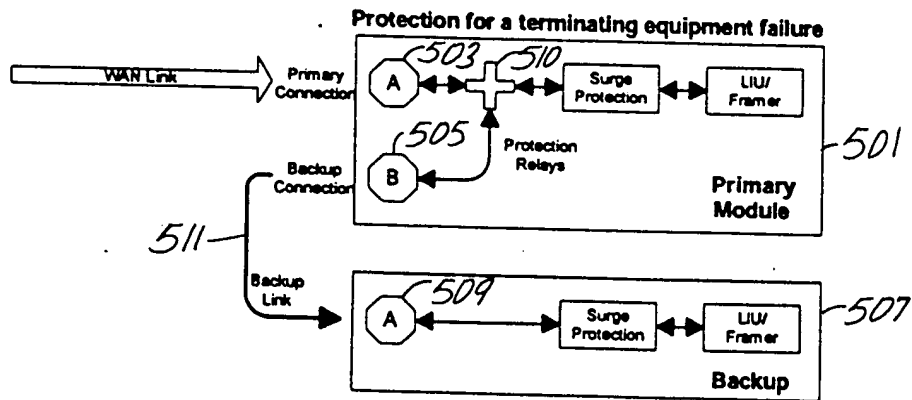
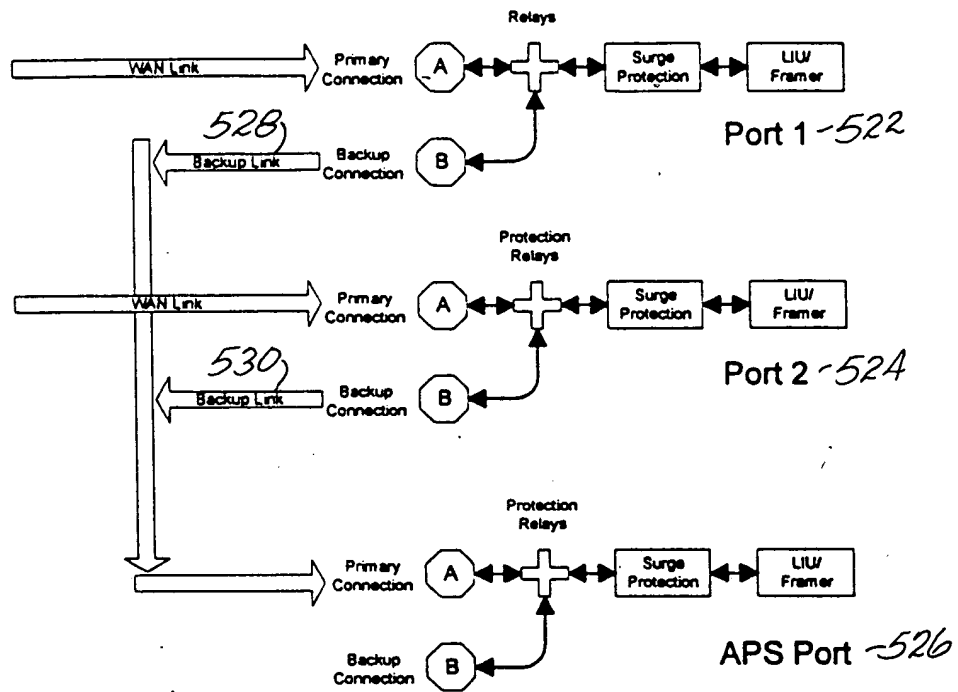


Fig. 22

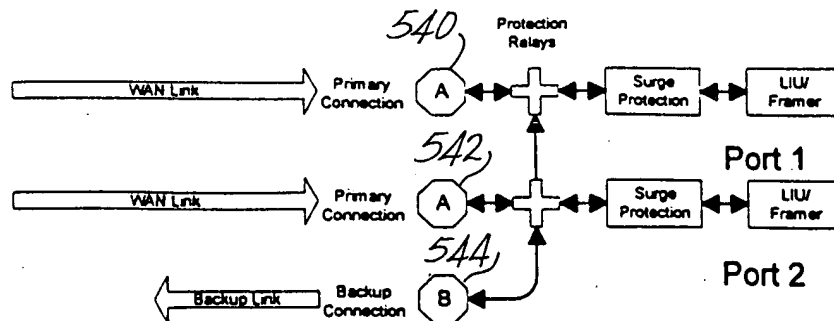


*Fig. 23*

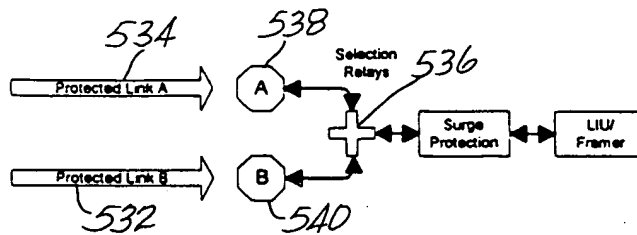


*Fig. 24*

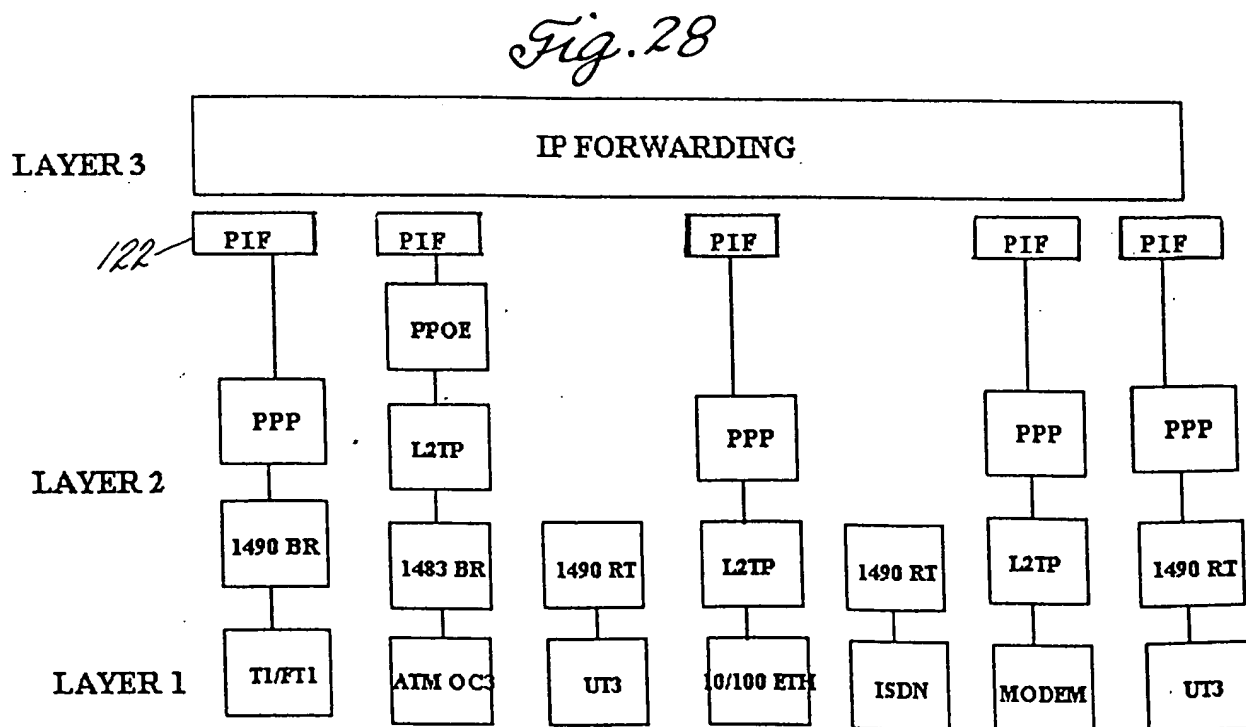
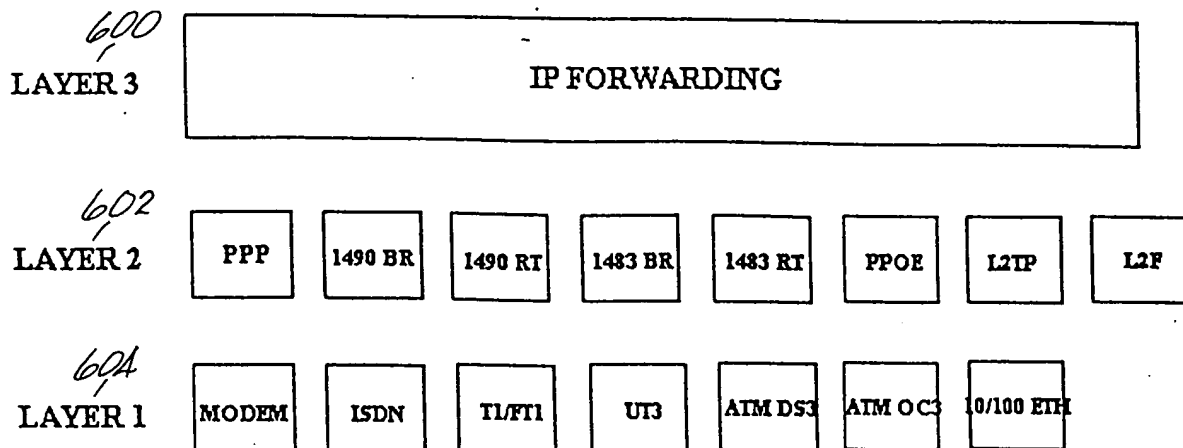




*Fig. 25*



*Fig. 26*



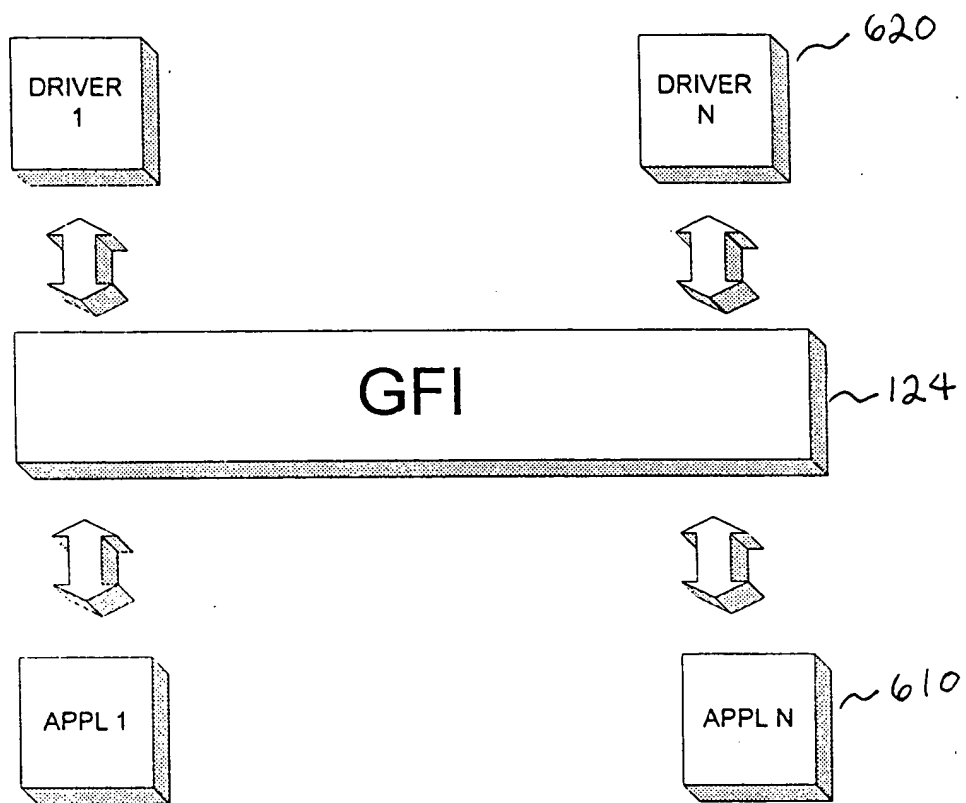


Fig 29

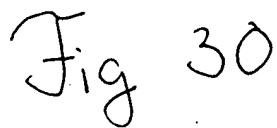
[illegible]

Fig 30

# FPA

	CHASS	SLOT	PM	CONT	PORT NUM
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Fig 31

# PPA

	CHASS	SLOT	PM	LINK	CHAN NUM
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Fig 32

THE UNIVERSITY OF CHICAGO

↑  
716

Fig 33

# OUTPUT PORT FORMAT

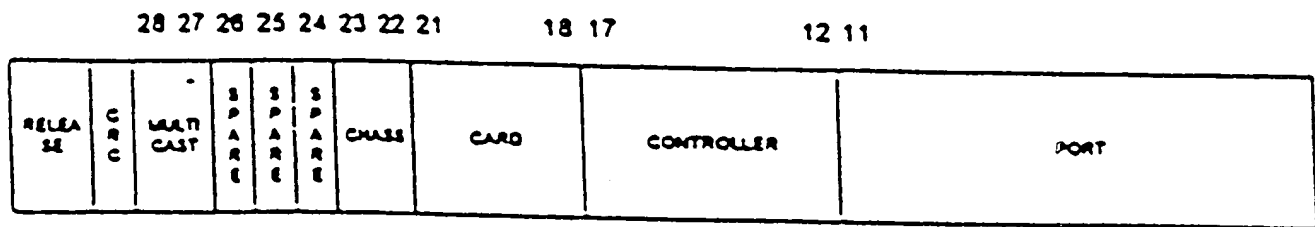


Fig 34

714



Port Addr Range	Type	Chass	Card	Control
0-19	Well Known Internal Multicast Address	NA	NA	0
20-39	Well Known Internal Unicast Address	NA	Card Num	0
40-79	Well Known External Multicast Address	NA	NA	0
80-511	Dynamic External Multicast Address	NA	NA	0
512-2048	Remote Port Address	Chass Num	Card Num	0

Fig. 35

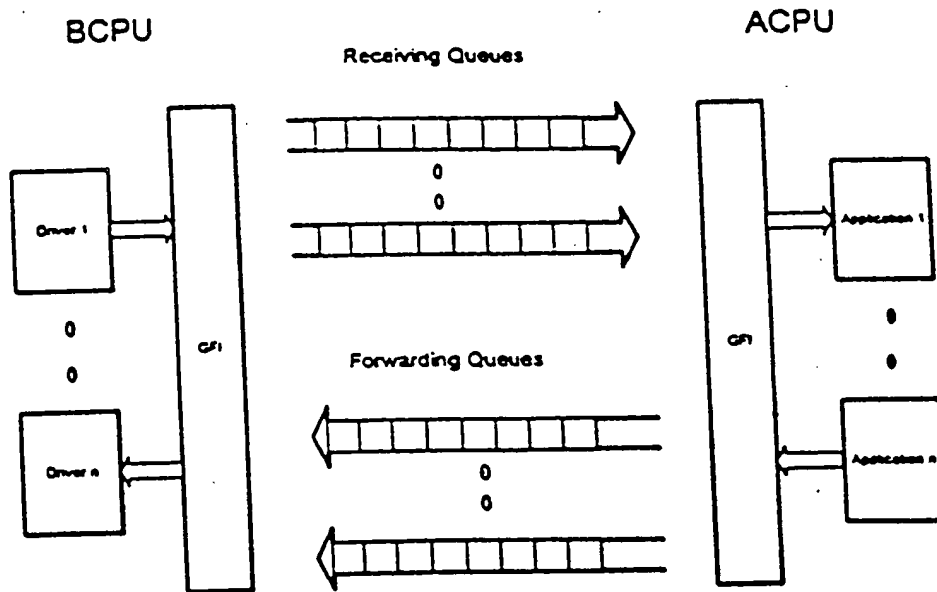


Fig. 36